



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 06343644 A

(43) Date of publication of application: 20.12.1994

(51) Int. Cl. A61B 17/28

(21) Application number: 06115917

(22) Date of filing: 03.05.1994

(30) Priority: 04.05.1993 GB 93 9309142

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(54) SURGICAL MACHINE FOR LAPAROSCOPY

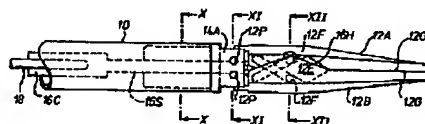
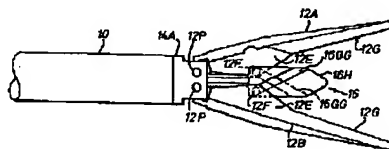
(57) Abstract:

PURPOSE: To supply a machine for laparoscopy which can insulate jaws at a low cost and in a simple manner and which can function with a relatively low power. Plastic can be utilized for the manufacture of the machine for laparoscopy.

CONSTITUTION: The machine for laparoscopy has a shape of forceps or a cutter and at the end part of a hollow insertion tube to be inserted in the body cavity, has a housing, a pair of metallic jaws arranged pivotally, a control bar which can reciprocate inside the insertion tube and an actuator fixed to the control bar. The actuator has a pair of guide grooves sloped opposite to the vertical shaft of the machine each jaw has a lag to match each groove and the lag keeps away from the jaw pivot and reciprocation of the control bar causes the jaws to open and close. The housing and

actuator are insulated, and the pivotal jaws are separated from each other and insulated to supply a high frequency electrical voltage to the jaws for a dipolar surgical operation.

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